



SEQUENCE LISTING

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<120> PEPTIDES CHEMICALLY MODIFIED WITH POLYETHYLENE GLYCOL

<130> 1110-0324PUS1

<140> US 10/510,563

<141> 2004-10-08

<150> PCT/JP03/04614

<151> 2003-04-11

<160> 30

<210> 1

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 1

Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Ala  
1 5 10 15

Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln  
20 25 30

Ile Ala Leu Arg Ser  
35

<210> 2

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 2

Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val Arg Gln Ile Ala  
1 5 10 15

Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val Arg Gln  
20 25 30

Ile Ala Leu Arg Ser  
35

<210> 3  
<211> 37  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 3  
Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Arg  
1 5 10 15  
Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln  
20 25 30  
Ile Arg Leu Arg Ser  
35

<210> 4  
<211> 37  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 4  
Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Leu His Gln Ile Ala  
1 5 10 15  
Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Leu His Gln  
20 25 30  
Ile Ala Leu Arg Ser  
35

<210> 5  
<211> 37  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 5  
Thr Arg Phe Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Ala  
1 5 10 15  
Leu Arg Leu Arg Phe Leu Arg Ile His Pro Arg Ser Trp Val His Gln  
20 25 30  
Ile Ala Leu Arg Ser  
35

<210> 6  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: chemically synthesized peptide

<400> 6  
 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Asn Ile Ala  
 1                      5                      10                      15  
  
 Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Asn  
                     20                      25                      30  
  
 Ile Ala Leu Arg Ser  
                     35

<210> 7  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: chemically synthesized peptide

<400> 7  
 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Ala  
 1                      5                      10                      15  
  
 Leu Lys Leu Lys Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln  
                     20                      25                      30  
  
 Ile Ala Leu Arg Ser  
                     35

<210> 8  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: chemically synthesized peptide

<400> 8  
 Thr Arg Tyr Leu Arg Ile His Pro Lys Ser Trp Val His Gln Ile Ala  
 1                      5                      10                      15  
  
 Leu Arg Leu Arg Tyr Leu Lys Ile His Pro Arg Ser Trp Val His Gln  
                     20                      25                      30

Ile Ala Leu Arg Ser  
35

<210> 9  
<211> 37  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 9  
Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Ala  
1 5 10 15

Leu Arg Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln  
20 25 30

Ile Ala Leu Arg Ser  
35

<210> 10  
<211> 37  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 10  
Thr Arg Ser Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Ala  
1 5 10 15

Leu Arg Leu Arg Ser Leu Arg Ile His Pro Arg Ser Trp Val His Gln  
20 25 30

Ile Ala Leu Arg Ser  
35

<210> 11  
<211> 37  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 11  
Thr Arg Tyr Leu Arg Ile His Pro Arg Leu Trp Val His Gln Ile Ala  
1 5 10 15

Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Leu Trp Val His Gln  
20 25 30

Ile Ala Leu Arg Ser  
35

<210> 12

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 12

Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Ala  
1 5 10 15

Leu Ser Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln  
20 25 30

Ile Ala Leu Ser Ser  
35

<210> 13

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 13

Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Leu Val His Gln Ile Ala  
1 5 10 15

Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Leu Val His Gln  
20 25 30

Ile Ala Leu Arg Ser  
35

<210> 14

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 14

Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Ser His Gln Ile Ala  
1 5 10 15

Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Ser His Gln  
20 25 30

Ile Ala Leu Arg Ser  
35

<210> 15

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 15

Thr Arg Tyr Leu Arg Ile Arg Pro Arg Ser Trp Val Arg Gln Ile Ala  
1 5 10 15

Leu Arg Leu Arg Tyr Leu Arg Ile Arg Pro Arg Ser Trp Val Arg Gln  
20 25 30

Ile Ala Leu Arg Ser  
35

<210> 16

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 16

Thr Arg Tyr Leu Arg Leu His Pro Arg Ser Trp Val His Gln Leu Ala  
1 5 10 15

Leu Arg Leu Arg Tyr Leu Arg Leu His Pro Arg Ser Trp Val His Gln  
20 25 30

Leu Ala Leu Arg Ser  
35

<210> 17

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 17

Thr Arg Ser Leu Arg Ile His Pro Arg Leu Trp Val His Gln Ile Ala  
1 5 10 15

Leu Arg Leu Arg Ser Leu Arg Ile His Pro Arg Leu Trp Val His Gln  
20 25 30

Ile Ala Leu Arg Ser  
35

<210> 18

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 18

Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Leu His Gln Ile Ala  
1 5 10 15

Leu Arg Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Leu His Gln  
20 25 30

Ile Ala Leu Arg Ser  
35

<210> 19

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 19

Thr Arg Tyr Leu Arg Leu His Pro Arg Ser Trp Leu His Gln Leu Ala  
1 5 10 15

Leu Arg Leu Arg Tyr Leu Arg Leu His Pro Arg Ser Trp Leu His Gln  
20 25 30

Leu Ala Leu Arg Ser  
35

<210> 20

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 20

Thr Arg Tyr Leu Arg Leu His Pro Arg Ser Trp Val His Gln Leu Ala  
1 5 10 15

Leu Arg Thr Arg Tyr Leu Arg Leu His Pro Arg Ser Trp Val His Gln  
20 25 30

Leu Ala Leu Arg Ser  
35

<210> 21

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 21

Thr Lys Tyr Leu Lys Ile His Pro Lys Ser Trp Val His Gln Ile Ala  
1 5 10 15

Leu Arg Leu Lys Tyr Leu Lys Ile His Pro Lys Ser Trp Val His Gln  
20 25 30

Ile Ala Leu Arg Ser  
35

<210> 22

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 22

Thr Arg Arg Leu Arg Ile His Pro Arg Arg Trp Val His Arg Ile Ala  
1 5 10 15

Leu Arg Leu Arg Arg Leu Arg Ile His Pro Arg Arg Trp Val His Arg  
20 25 30

Ile Ala Leu Arg Ser  
35

<210> 23



<211> 31  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: chemically synthesized peptide

<400> 23  
 Thr Ile His Pro Arg Ser Trp Val His Gln Ile Ala Leu Arg Leu Arg  
 1                      5                      10                      15  
  
 Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Ala Ser  
                     20                      25                      30

<210> 24  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: chemically synthesized peptide

<400> 24  
 Thr Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Leu His Gln Ile  
 1                      5                      10                      15  
  
 Ala Leu Arg Ser  
                     20

<210> 25  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: chemically synthesized peptide

<400> 25  
 Thr Ile Arg Tyr Arg Pro Ser His Gln Ile Arg Leu Arg Ala Val Leu  
 1                      5                      10                      15  
  
 His Leu Trp Ile Arg Tyr Arg Pro Ser His Gln Ile Arg Leu Arg Ala  
                     20                      25                      30  
  
 Val Leu His Trp Ser  
                     35

<210> 26  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 26  
Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val Leu Gln Ile Ala  
1 5 10 15  
Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val Leu Gln  
20 25 30  
Ile Ala Leu Arg Ser  
35

<210> 27  
<211> 24  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: chemically synthesized peptide

<400> 27  
Leu Ala Arg Leu Leu Ala Arg Leu Leu Ala Arg Leu Leu Arg Ala Leu  
1 5 10 15  
Leu Arg Ala Leu Leu Arg Ala Leu  
20

<210> 28  
<211> 111  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: chemically synthesized nucleotide

<400> 28  
actcgttatc ttgcattca tctcgaagt tgggttcacc aaatagctct gagactacgg 60  
tacttacgaa ttcacccacg tagctgggtt caccaaatac ctctgcgttc t 111

<210> 29  
<211> 111  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: chemically synthesized nucleotide

<400> 29  
actcgttatc ttgcattca tctcgaagt tgggttcacc aactagctct gagactacgg 60  
tacttacgac ttcacccacg tagctgggtt caccaactag ctctgcgttc t 111

<210> 30  
 <211> 111  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: chemically synthesized nucleotide  
  
 <400> 30  
 actcgttatc ttgccttca tctcgaagt tggcttcacc aactagctct gagactacgg 60  
 tacttaacgac ttcacccacg tagctggctt caccaactag ctctgcgttc t 111